



Image may be representation.
See specifications for product details.



FQA13N50

Manufacturer Part Number	FQA13N50
Manufacturer	onsemi
Allelco Part Number	32D-FQA13N50
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 500V 13.4A TO3P
Package	TO-3P-3, SC-65-3
Data sheet	FQA13N50.pdf

Get a Quote

FQA13N50 - onsemi.New Original in Stock. Download Linear Technology FQA13N50 datasheet/specifications on AllelcoElec.com.
Request a quote for FQA13N50, please send us email: info@allelco.com

Specifications

FQA13N50 Tech Specifications
FQA13N50 - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	5V @ 250µA	Mounting Type	Through Hole
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	2300 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	60 nC @ 10 V
Supplier Device Package	TO-3P	FET Type	N-Channel
Series	QFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	430mOhm @ 6.7A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	190W (Tc)	Drain to Source Voltage (Vdss)	500 V
Package / Case	TO-3P-3, SC-65-3	Current - Continuous Drain (Id) @ 25°C	13.4A (Tc)
Package	Tube	Base Product Number	FQA1

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FQA13N50

Product Attribute				
Part Number	FQA13N50	FQA13N50C	FQA12N60	FQA13N50CF
Manufacturer	onsemi	Fairchild Semiconductor	Fairchild Semiconductor	Fairchild Semiconductor
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Rds On (Max) @ Id, Vgs	430mOhm @ 6.7A, 10V	480mOhm @ 6.75A, 10V	700mOhm @ 6A, 10V	480mOhm @ 7.5A, 10V
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Input Capacitance (Ciss) (Max) @ Vds	2300 pF @ 25 V	2055 pF @ 25 V	1900 pF @ 25 V	2055 pF @ 25 V
Supplier Device Package	TO-3P	TO-3P	TO-3P	TO-3PN
Package	Tube	Tube	Tube	Bulk
Package / Case	TO-3P-3, SC-65-3	TO-3P-3, SC-65-3	TO-3P-3, SC-65-3	TO-3P-3, SC-65-3
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Feature	-	-	-	-
Gate Charge (Qg) (Max) @ Vgs	60 nC @ 10 V	56 nC @ 10 V	54 nC @ 10 V	56 nC @ 10 V
Base Product Number	FQA1	-	-	-
Series	QFET®	QFET®	QFET®	-
Vgs(th) (Max) @ Id	5V @ 250µA	4V @ 250µA	5V @ 250µA	4V @ 250µA
Vgs (Max)	±30V	±30V	±30V	±30V
Drain to Source Voltage (Vdss)	500 V	500 V	600 V	500 V
Power Dissipation (Max)	190W (Tc)	218W (Tc)	240W (Tc)	218W (Tc)
Current - Continuous Drain (Id) @ 25°C	13.4A (Tc)	13.5A (Tc)	12A (Tc)	15A (Tc)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)

FQA13N50 Datasheet PDF

Download FQA13N50 pdf datasheets and onsemi documentation for FQA13N50 - onsemi.

Datasheets

FQA13N50.pdf

Environmental Information

onsemi REACH.pdf

onsemi RoHS.pdf

Customers Also Interested in

Recommended Products

FQA13N50C Fairchild Semiconductor MOSFET N-CH 500V 13.5A TO3P	FQA12N60 Fairchild Semiconductor MOSFET N-CH 600V 12A TO3P	FQA13N50CF Fairchild Semiconductor MOSFET N-CH 500V 15A TO3PN	FQA11N90C onsemi MOSFET N-CH 900V 11A TO3P	FQA11N90C-F109 onsemi POWER FIELD-EFFECT TRANSISTOR, 1	FQA11N90_F109 Fairchild (onsemi)
FQA13N50CF onsemi MOSFET N-CH 500V 15A TO3PN	FQA12P20 onsemi MOSFET P-CH 200V 12.6A TO3P	FQA13N50CF MOS Fairchild (onsemi)	FQA13N50C_F109 Fairchild (onsemi)	FQA11N90 Fairchild Semiconductor MOSFET N-CH 900V 11.4A TO3P	FQA13N80-F109 onsemi MOSFET N-CH 800V 12.6A TO3PN
FQA11N90C_F109 Fairchild (onsemi)	FQA12N60C Fairchild (onsemi)	FQA13N80 onsemi MOSFET N-CH 800V 12.6A TO3PN	FQA12N60 onsemi MOSFET N-CH 600V 12A TO3P	FQA13N80 Fairchild Semiconductor MOSFET N-CH 800V 12.6A TO3PN	FQA13N50C onsemi MOSFET N-CH 500V 13.5A TO3P

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -

- Efficient Supply Management
- Cost-Saving Procurement
- Fast Sourcing & Delivery

Contact us if you have any questions.

- Phone
+00852 9146 4856
- Email
info@allelco.com

Certifications & Memberships



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Contact us

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